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Fig. 1

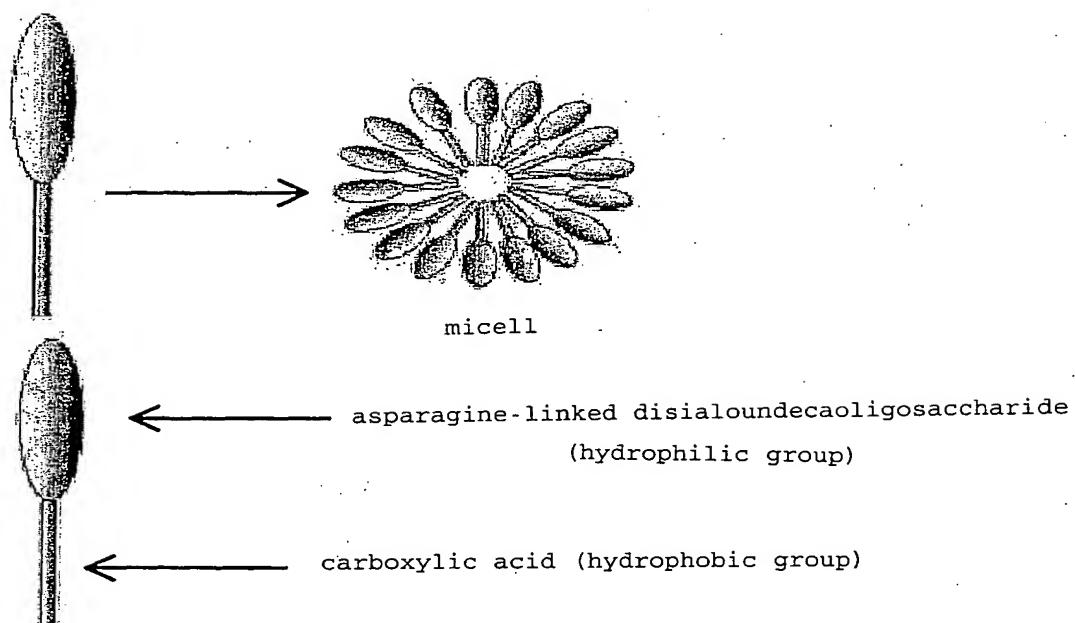


Fig. 2

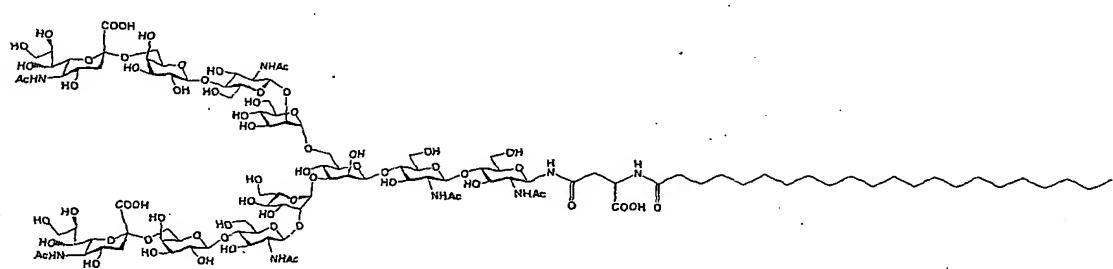
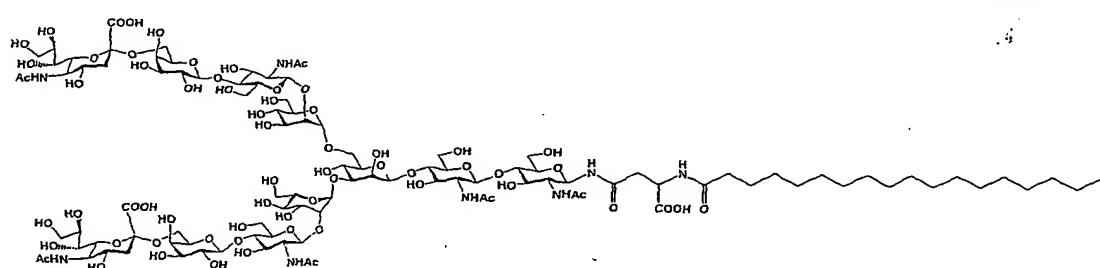
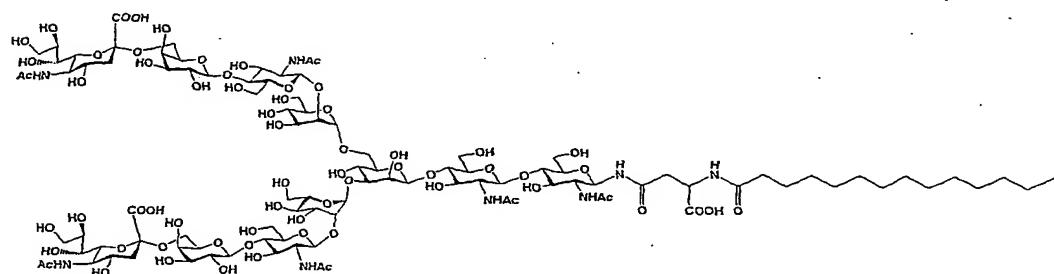
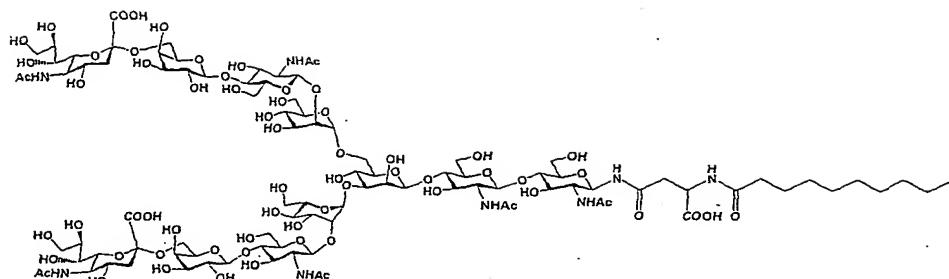


Fig. 3

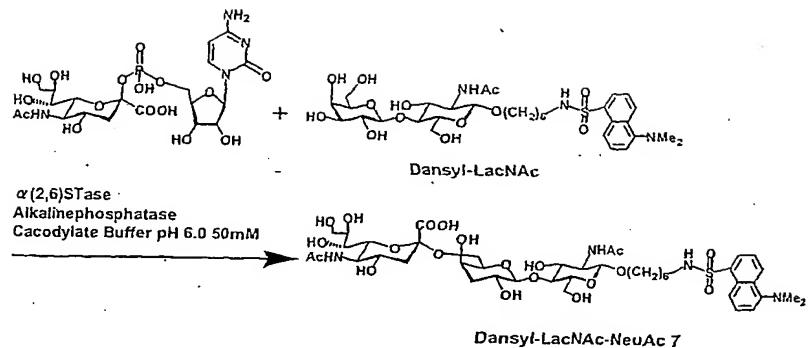
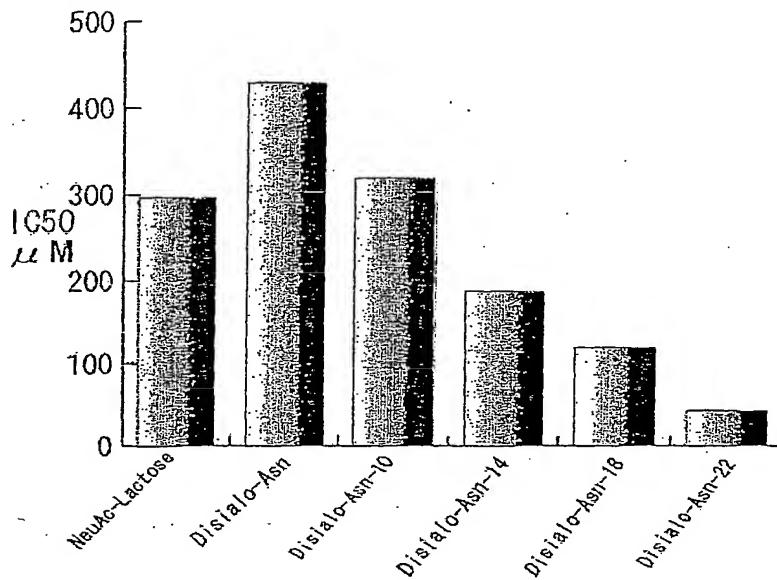


Fig.4

sialidase inhibition activity of each inhibitor
against Dansyl- LacNAc-NeuAc
(IC₅₀ based on the amount of sialic acid in each inhibitor)



abbreviation

- NeuAc-Lactose : sialyl lactose
- Disialo-Asn : asparagine-linked disialoundecaoligosaccharide 1
- Disialo-Asn-10 : asparagine-linked disialoundecaoligosaccharide-decanoic acid amide 3
- Disialo-Asn-14 : sparagine-linked disialoundecadoligosaccharide-myristic acid amide 4
- Disialo-Asn-18 : asparagine-linked disialoundecaoligosaccharide-stearic acid amide 5
- Disialo-Asn-22 : asparagine-linked disialoundecaoligosaccharide-behenic acid amide 6

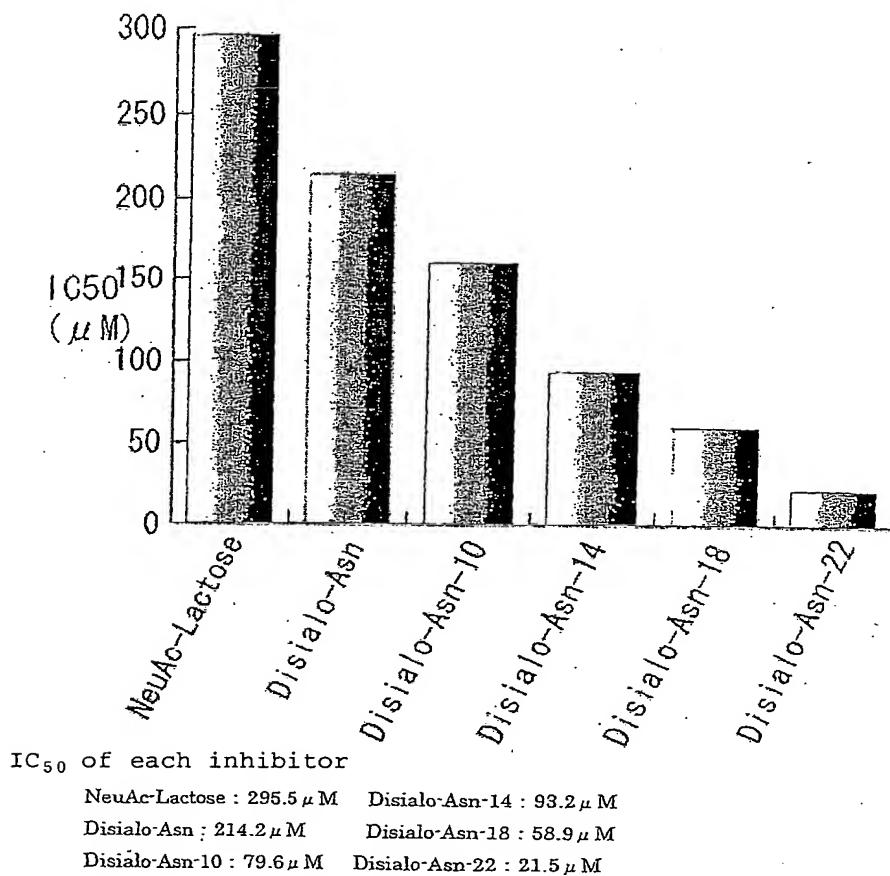
IC₅₀ of each inhibitor

- NeuAc-Lactose : 295.5 μM
- Disialo-Asn : 428.3 μM
- Disialo-Asn-10 : 318.5 μM
- Disialo-Asn-14 : 186.4 μM
- Disialo-Asn-18 : 117.9 μM
- Disialo-Asn-22 : 42.9 μM

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Fig.5

sialidase inhibition activity of each inhibitor
against Dansyl- LacNAc-NeuAc
(IC₅₀ based on the mole concentration of each inhibitor)



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